INDEX

Akylas, T. R. & Grimshaw, R. H. J. Solitary internal waves with oscillatory tails, 279–298

Balanchandar, S., Streett, C. L. & Malik, M. R. Secondary instability in rotating-disk flow, 323–347

Beran, P. S. & Culick, F. E. C. The role of non-uniqueness in the development of vortex breakdown in tubes, 491–527

Bertolotti, F. P., Herbert, Th. & Spalart, P. R. Linear and nonlinear stability of the Blasius boundary layer, 441–474

Bodonyi, R. J. *See* Tadjfar & Bodonyi

Bowles, R. I. & Smith, F. T. The standing hydraulic jump: theory, computations and comparisons with experiments, 145–168

Brouwer, H. H. On the use of the method of matched asymptotic expansions in propeller aeronautics and acoustics, 117–143

Carnevale, G. F. *See* Kloosterziel & Carnevale

Culick, F. E. C. *See* Beran & Culick

Daniels, P. G. A singularity in thermal boundary-layer flow on a horizontal surface, 419–440

Davis, S. H. *See* Joo & Davis

Dracos, T. *See* Tsinober, Kit & Dracos

Durbin, P. A. & Zeman, O. Rapid distortion theory for homogeneous compressed turbulence with application to modelling, 349–370

Elghobashi, S. & Truesdell, G. C. Direct simulation of particle dispersion in a decaying isotropic turbulence, 655–700

Emmerhoff, O. J. & Sclavounos, P. D. The slow-drift motion of arrays of vertical cylinders, 31–50

Grimshaw, R. H. J. *See* Akylas & Grimshaw

Herbert, Th. *See* Bertolotti, Herbert & Spalart

Horev, E. *See* Katz, Horev & Wygnanski

Huang, A. & Joseph, D. D. Instability of the equilibrium of a liquid below its vapour between horizontal heated plates, 235–247

Joo, S. W. & Davis, S. H. Instabilities of three-dimensional viscous falling films, 529–547

Joseph, D. D. *See* Huang & Joseph

Katz, Y., Horev, E. & Wygnanski, I. The forced turbulent wall jet, 577–609

Keefe, L., Moin, P. & Kim, J. The dimension of attractors underlying periodic turbulent Poiseuille flow, 1–29

Kerr, O. S. Two-dimensional instabilities of steady double-diffusive interleaving, 99–116

Kim, J. *See* Keefe, Moin & Kim

Kit, E. *See* Tsinober, Kit & Dracos

Kloosterziel, R. C. & Carnevale, G. F. Formal stability of circular vortices, 249–278

Leal, L. G. *See* Szeri & Leal

Lister, J. R. Viscous flows down an inclined plane from point and line sources, 631–653

INDEX

Akylas, T. R. & Grimshaw, R. H. J. Solitary internal waves with oscillatory tails, 279–298

Balanchandar, S., Streett, C. L. & Malik, M. R. Secondary instability in rotating-disk flow, 323–347

Beran, P. S. & Culick, F. E. C. The role of non-uniqueness in the development of vortex breakdown in tubes, 491–527

Bertolotti, F. P., Herbert, Th. & Spalart, P. R. Linear and nonlinear stability of the Blasius boundary layer, 441–474

Bodonyi, R. J. *See* Tadjfar & Bodonyi

Bowles, R. I. & Smith, F. T. The standing hydraulic jump: theory, computations and comparisons with experiments, 145–168

Brouwer, H. H. On the use of the method of matched asymptotic expansions in propeller aeronautics and acoustics, 117–143

Carnevale, G. F. *See* Kloosterziel & Carnevale

Culick, F. E. C. *See* Beran & Culick

Daniels, P. G. A singularity in thermal boundary-layer flow on a horizontal surface, 419–440

Davis, S. H. *See* Joo & Davis

Dracos, T. *See* Tsinober, Kit & Dracos

Durbin, P. A. & Zeman, O. Rapid distortion theory for homogeneous compressed turbulence with application to modelling, 349–370

Elghobashi, S. & Truesdell, G. C. Direct simulation of particle dispersion in a decaying isotropic turbulence, 655–700

Emmerhoff, O. J. & Sclavounos, P. D. The slow-drift motion of arrays of vertical cylinders, 31–50

Grimshaw, R. H. J. *See* Akylas & Grimshaw

Herbert, Th. *See* Bertolotti, Herbert & Spalart

Horev, E. *See* Katz, Horev & Wygnanski

Huang, A. & Joseph, D. D. Instability of the equilibrium of a liquid below its vapour between horizontal heated plates, 235–247

Joo, S. W. & Davis, S. H. Instabilities of three-dimensional viscous falling films, 529–547

Joseph, D. D. *See* Huang & Joseph

Katz, Y., Horev, E. & Wygnanski, I. The forced turbulent wall jet, 577–609

Keefe, L., Moin, P. & Kim, J. The dimension of attractors underlying periodic turbulent Poiseuille flow, 1–29

Kerr, O. S. Two-dimensional instabilities of steady double-diffusive interleaving, 99–116

Kim, J. *See* Keefe, Moin & Kim

Kit, E. *See* Tsinober, Kit & Dracos

Kloosterziel, R. C. & Carnevale, G. F. Formal stability of circular vortices, 249–278

Leal, L. G. *See* Szeri & Leal

Lister, J. R. Viscous flows down an inclined plane from point and line sources, 631–653

Malik, M. R. *See* Balanchandar, Streett & Malik

Mason, P. J. & Thomson, D. J. Stochastic backscatter in large-eddy simulations of boundary layers, 51–78

Moin, P. *See* Keefe, Moin & Kim

Newhouse, L. A. & Pozrikidis, C. The capillary instability of annular layers and liquid threads, 193–209

Papangelou, A. Vortex shedding from slender cones at low Reynolds numbers, 299–321

Peters, N. A spectral closure for premixed turbulent combustion in the flamelet regime, 611–629

Phillips, O. M. *See* Sarkar & Phillips

Pozrikidis, C. *See* Newhouse & Pozrikidis

Riley, N. Acoustic streaming about a cylinder in orthogonal beams, 387–394

Ripa, P. Instability of a solid-body rotating vortex in a two-layer model, 395–417

Sarkar, A. & Phillips, O. M. Effects of horizontal gradients on thermohaline instabilities in infinite porous media, 79–98

Sclavounos, P. D. On the quadratic effect of random gravity waves on a vertical boundary, 475–489
See also Emmerhoff & Sclavounos

Smith, F. T. *See* Bowles & Smith

Smith, R. Buoyancy effects in vertical shear dispersion, 371–386

Spalart, P. R. *See* Bertolotti, Herbert & Spalart

Streett, C. L. *See* Balanchandar, Streett & Malik

Szeri, A. J. & Leal, L. G. A new computational method for the solution of flow problems of microstructured fluids. Part 1. Theory, 549–576

Tadjfar, M. & Bodonyi, R. J. Receptivity of a laminar boundary layer to the interaction of a three-dimensional roughness element with time-harmonic free-stream disturbances, 701–720

Teng, M. H. & Wu, T. Y. Nonlinear water waves in channels of arbitrary shape, 211–233

Thomson, D. J. *See* Mason & Thomson

Truesdell, G. C. *See* Elghobashi & Truesdell

Tsinober, A., Kit, E. & Dracos, T. Experimental investigation of the field of velocity gradients in turbulent flows, 169–192

Wu, T. Y. *See* Teng & Wu

Wygnanski, I. *See* Katz, Horev & Wygnanski

Zeman, O. *See* Durbin & Zeman